Songhyun Bae

Security Researcher, Developer

INFO

Email: baesonghyun91@gmail.com   **Github**: bshyuunn
Blog: bshyuunn.github.io   **Twiiter:** @bshyuunn
Web3 Portfolio: bshyuunn-portfolio

EDUCATION

Korea University   *Seoul, South Korea*
Undergraduate Student   *March 2024 -*

- Bachelor of Cyber Defense

Daejeon Daeshin High School   *Daejeon, South Korea*
High School, Graduated   *March 2021 - February 2024*

WORK EXPERIENCE

HashLock, Smart Contract Auditor | Self-Employed   *Remote*
Auditing Solidity, Vyper, and other Web3 smart contracts for   *August 2025 - Present*
high-severity vulnerabilities.

ACTIVITIES

Participant, Web3 Audit Contests   *Remote*
Identified impactful vulnerabilities across numerous Web3   *December 2024 – Ongoing*
auditing contests [Audit portfolio]

Member, CyKor   *Remote*
Hacking club at Korea University   *September 2024 – Ongoing*

Organizer and Author, CyKor CTF 2025   *Remote*
Authored a Web3 challenge ("Multi Chain Vault")   *December 2025*

Organizer and Author, CyKor 2025 Spring Recruit CTF   *Seoul, South Korea*
Authored two Web3 Challenges [chal-1] [chal-2]   *March 2025*

Ranked 15th Competitor, OnlyPwner Wargame   *Remote*
A wargame focused on the security aspects of   *November 2024*
Ethereum and EVM smart contracts

Participant, KISA Hunting Master 1st Cohort   *Seoul, South Korea*
Fuzzing and Vulnerability Detection for Software   *May – June 2024*

Participant, Stealien SSL Program 3rd Cohort   *Seoul, South Korea*
Web-Based 0/1-Day Semiautomation Analysis and   *October 2023 – February 2024*
Plugin Development

Participant, <u>KITRI WhiteHat School 1st Cohort</u> Automation and Enhancement of Exploit Generation Using NLP		*Seoul, South Korea* *September 2023 – May 2024*

Participant, <u>KITRI WhiteHat School 1st Cohort</u>
Automation and Enhancement of Exploit Generation
Using NLP

Seoul, South Korea
September 2023 – May 2024

SPEACH

27th <u>Hacking Camp</u> by <u>Poc Security</u>
Hacking with AI: Try Web Hacking with Reinforcement Learning

Seoul, South Korea
August 2023

<u>Blockchain Valley</u> — Security Team Workshop
Web3 Security: Smart-Contract Threats & Hands-on Labs

Seoul, South Korea
March – June 2025

<u>KISA Hunting Master</u> 2nd Cohort — Special Lecture
Getting Started with Smart-Contract Audits Contest

Seoul, South Korea
Aug 2025

DISCLOSED BUG

Web3, Immunefi

<u>Toucan</u> Protocol
- [Private] (Medium)
- [Private] (Medium)
- [Private] (Low)

System & Software

Apple
- CoreMedia Playback – Denial of Service (<u>CVE-2025-24184</u>)

NASA
- <u>CryptoLib</u> – Heap Overflow (<u>CVE-2025-30216</u>) [<u>Report</u>]

<u>Bandiview</u>
- JXR File Parser – Denial of Service (<u>CVE-2024-45870</u>)
- PSD File Parser – Denial of Service (<u>CVE-2024-45871</u>)
- PSD File Parser – Stack Buffer Overflow (<u>CVE-2024-45872</u>)

Others
- <u>hauri virobot</u> – DLL Hijacking (KVE-2024-0395)
- <u>sga viruschaser</u> – DLL Hijacking (KVE-2024-0410)
- <u>PDFio TTF parser</u> – Denial of Service (<u>CVE-2024-42358</u>) [<u>Report</u>]

Web

Wordpress Plugin
- wpView Plugins – Stored XSS (<u>CVE-2023-33213</u>)
- <u>Simple File List Plugin</u> – Stored XSS (<u>CVE-2023-39924</u>)
- Fast Custom Social Share by CodeBard Plugin – Stored XSS (<u>CVE-2023-48329</u>)
- <u>Icons Font Loader Plugins</u> – Arbitrary File Upload (<u>CVE-2024-24714</u>)

AWARD

CTF (Capture The Flag)

- 10th, LakeCTF Quals 24-25 (with CyKor)   2024
- 50th, SECCON CTF 13 Quals (with CyKor)   2024
- Finalist, CODEGATE Junior   2023
- Finalist, White Hat Contests Junior   2023
- Finalist, WACON Junior   2023
- Finalist, CCE (Cyber Conflict Exercise) Junior   2023
- 1st, Chungcheong Youth Hacking Defense Competition   2022
- Finalist, CCE (Cyber Conflict Exercise) Junior   2022
- 4th, KOSPO Service Security Competition (Youth Division)   2022

Development & Algorithms

- 3rd, e-ICON World Contest   2022
- 1st, Cyber Security Hackathon   2024
- 2nd, Korea Code Fair Hackathon   2022

Artificial Intelligence

- 1st, AI Autonomous Exploration Performance Contest   2021
- 4th, K-ICT, Data Creator Camp   2022
- 1st, Kyungwoon, Intelligent Mobility SW Competition (AI)   2023